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MAY 12 2004

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Serial No. : 09/521,195
Filed : March 7, 2000

Art Unit : 1646
Examiner : P. Mertz
Confirmation No.: 9418

Office of Patent Publication
Director's Office

Notice of Allowance Date: November 20, 2004

Title : TRANSPORTER POLYPEPTIDE AND METHOD OF PRODUCING SAME

Attention: Official Draftsman
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF FORMAL DRAWINGS

In response to the Notice Regarding Drawings mailed March 10, 2004, please substitute the enclosed thirteen (13) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

May 7, 2004

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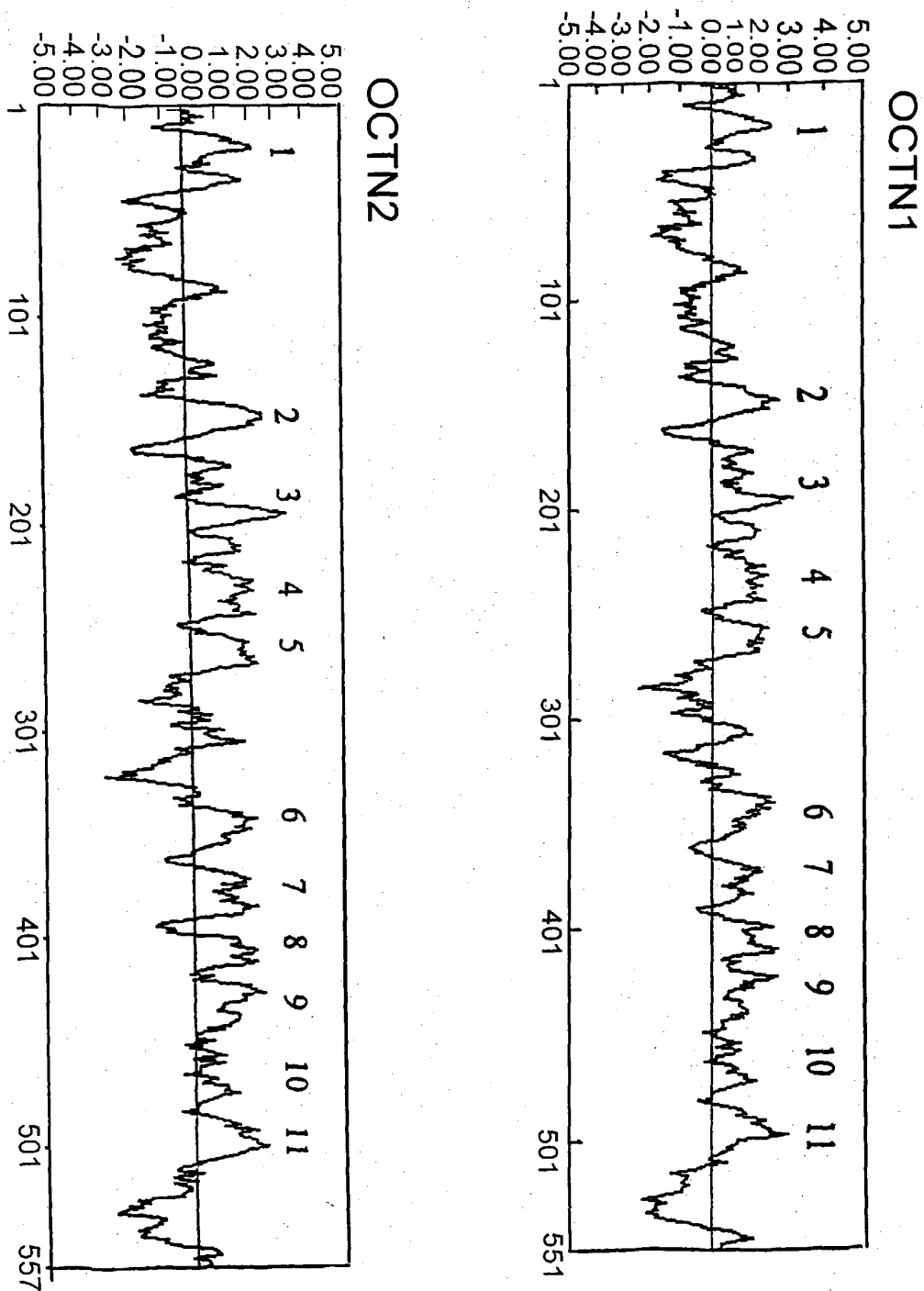
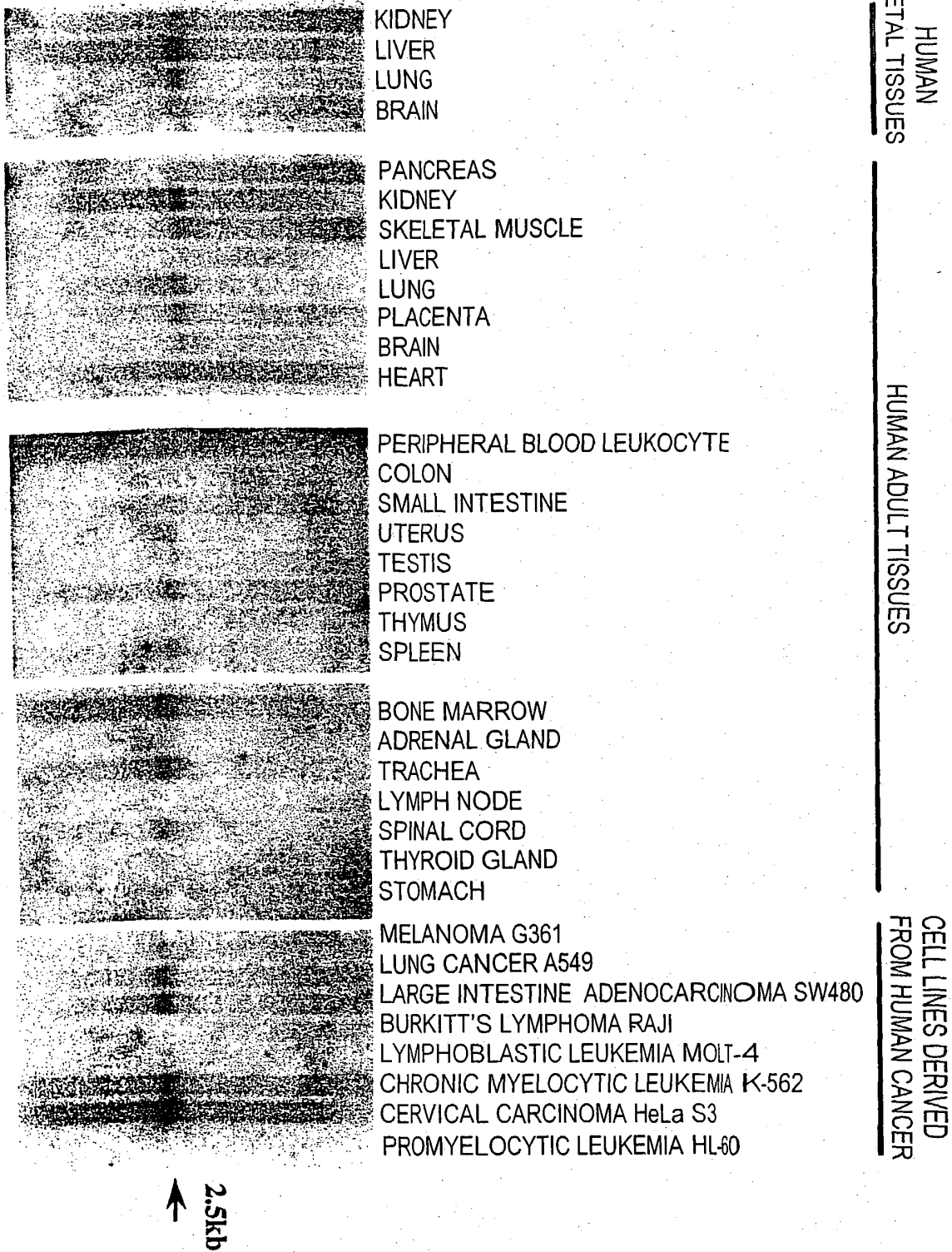


FIG. 2



TRANSPORTER POLYPEPTIDE AND METHOD OF
PRODUCING SAME

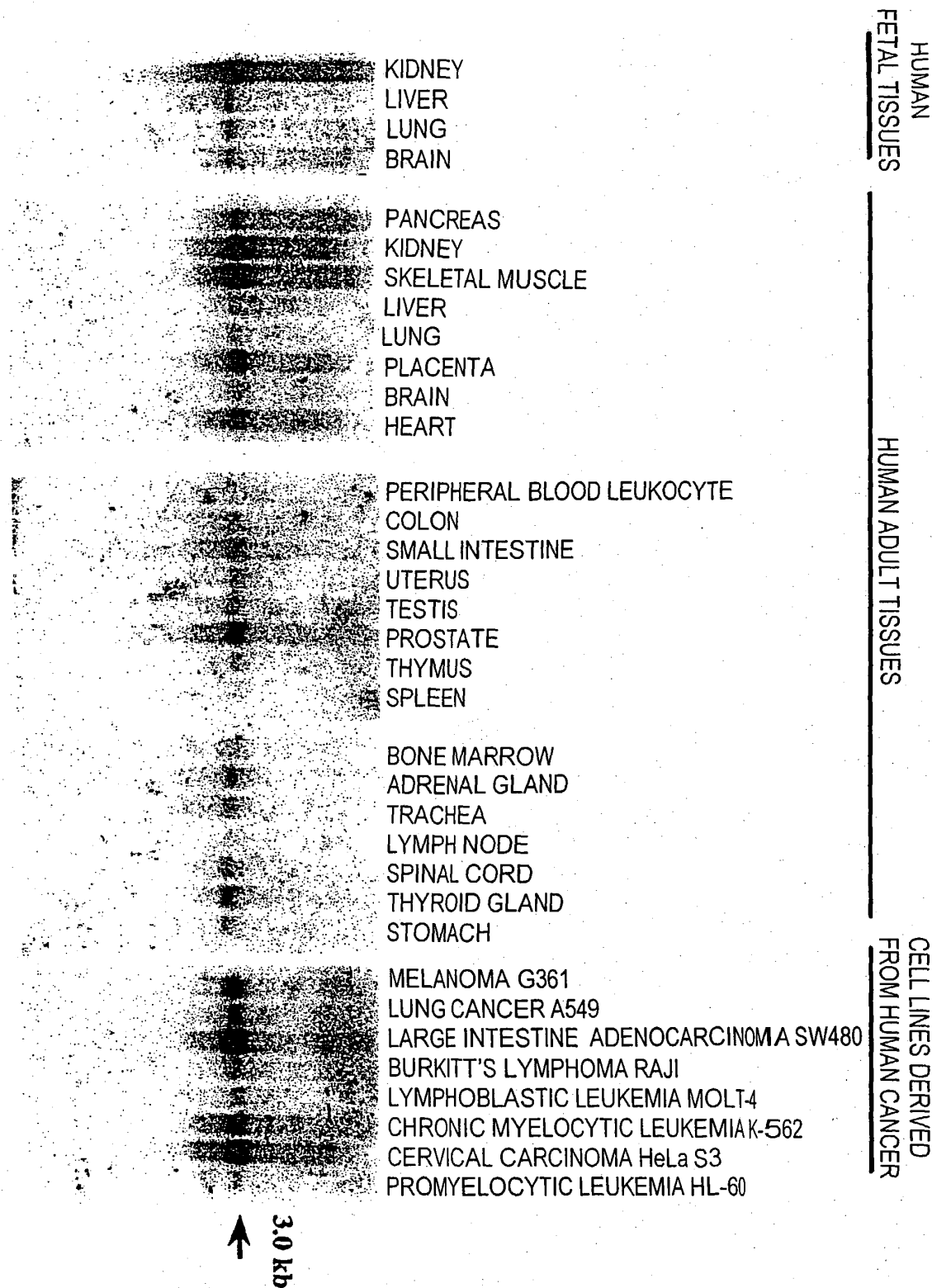
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OCNT2	1	MRDYDEVIAF	IGWGFORL	IFELLASATJ	PNGNGSSV	ELIAPPEHRC	RVPDAANSS	AMRNHVPRL	RDGREVPHS	OSRYRATIA	NFSALGLEPG
OCNT1	101	RDVDLGLEO	ESCLDGNES	ODVYESTJMT	EWNLVCEONM	KVPLTJSLFH	WGVLLGSEHS	GOLSDRFGRK	NVEPATMAVO	IGFSELOIFS	ISMEKHVLEH
OCNT2	101	RDVDLGLEO	ESCLDGNES	ODVYESTJMT	EWNLVCEONM	KAPLTJSLFH	WGVLLGSEHS	GOLSDRFGRK	NVEPATMAVO	IGFSELOIFS	KNFENHWEH
OCNT1	201	WVWVGGOISN	VMAELIGTE	ILGKSVRITF	SLGVOJFHA	VGVMPLFA	VFTRDWRML	LALNPGVLO	WPEWMTIPES	PRWLISQGRF	REAEEDIOKAK
OCNT2	201	WVWVGGOISN	VMAELIGTE	ILGKSVRITF	SLGVOJFHA	FGVMPLFA	VFTRDWRML	WALTGVLCO	WPEWMTIPES	PRWLISQGRF	EEAEVITRKAK
OCNT1	301	AKMNTIAPPA	VTFDS--VEE	DNPLKQKAF	ILDLFRIRNU	ALMTJSLLE	MMJISVGTHA	ESIDAPNLHG	DAVLNCFISA	LIEIPAVITIA	WLEIRTEPRR
OCNT2	301	AKMNTIAPPA	VTFDS--VEE	DNPLKQKAF	ILDLFRIRNU	ALMTJSLLE	MMJISVGTHA	ESIDAPNLHG	DAVLNCFISA	LIEIPAVITIA	WLEIRTEPRR
OCNT1	399	MIIMAVELEMG	GGVLLHIOLV	PNOVTFISIG	LVMGKEGID	SATSNVWPI	AELYPILVRN	MANGVNSTAS	RNGSJLAPYE	VYLGAVNRYL	PYJWGSJLTV
OCNT2	401	MSMTALHIG	GSVLLHIOLV	PNOVTFISIG	LVMGKEGID	AATSNVWPI	AELYPILVRN	MANGVNSTAS	RNGSJLAPYE	VYLGAVNRYL	PYJWGSJLTV
OCNT1	499	IGIGFILEHFB	ESGLMIBED	LEDDOKWRWF	RSQK--ITR	DSMTEENRK	VJ-JTAF	551			
OCNT2	501	ITAVLILHFB	ESGLMIBED	LEDDOKWRWF	RSQK--ITR	MLKQGRPT	IKSJAF	557			

FIG. 3

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TRANSPORTER POLYPEPTIDE AND METHOD OF
PRODUCING SAME

FIG. 4



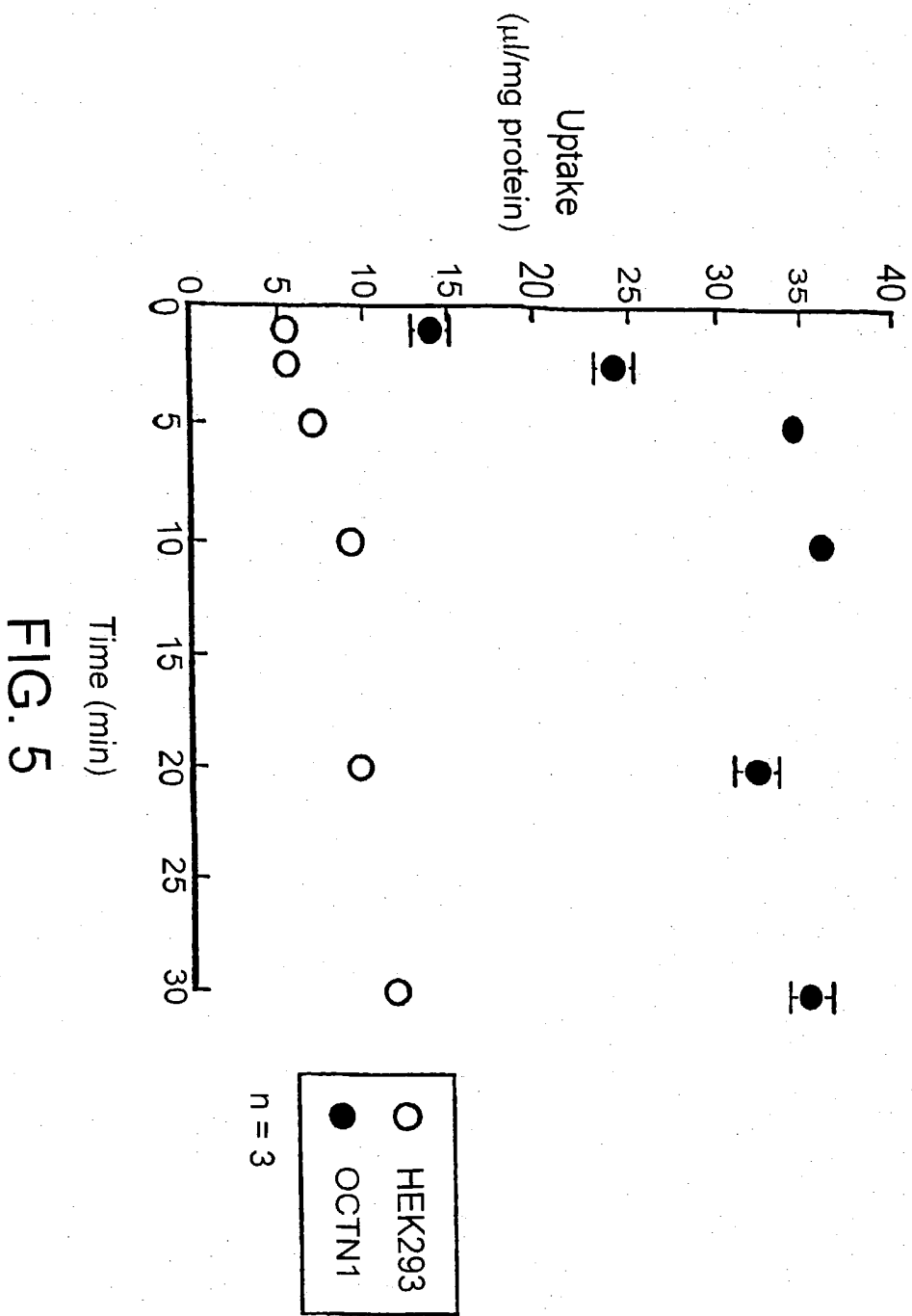


FIG. 5

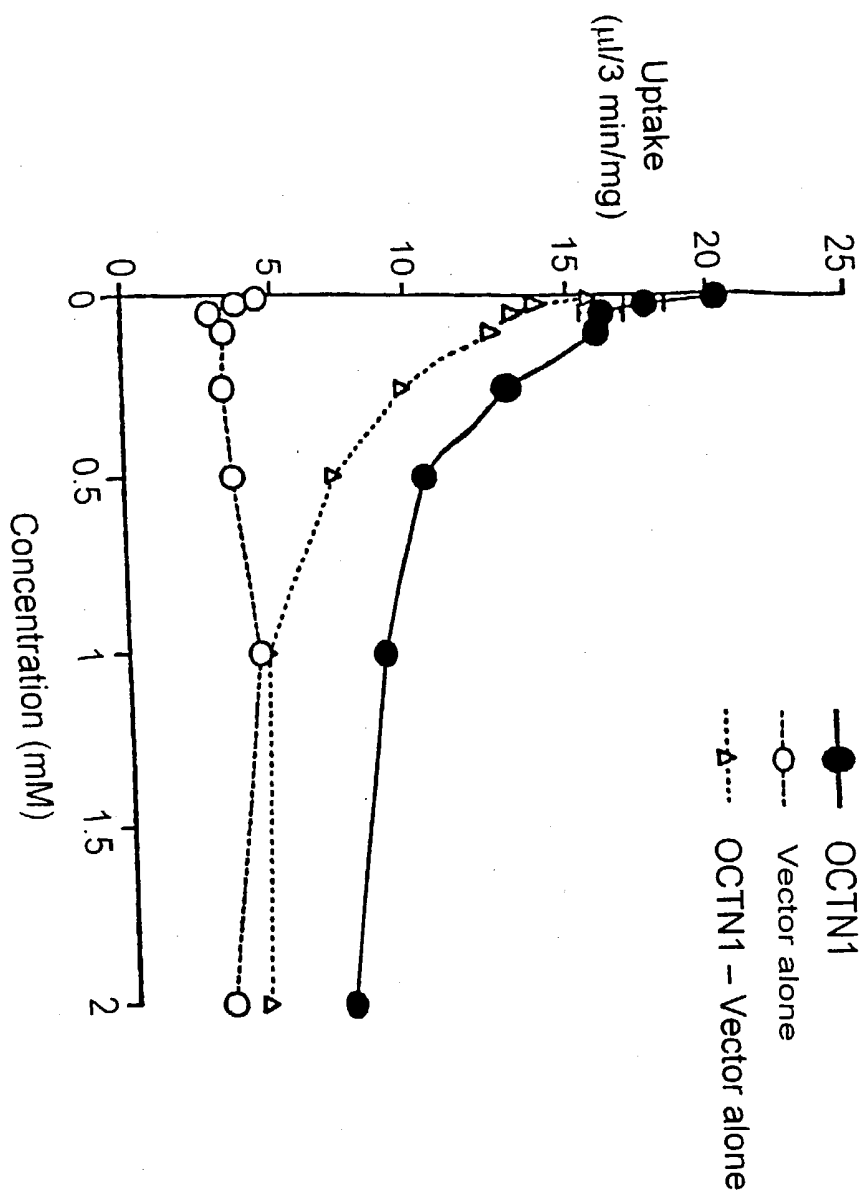


FIG. 6

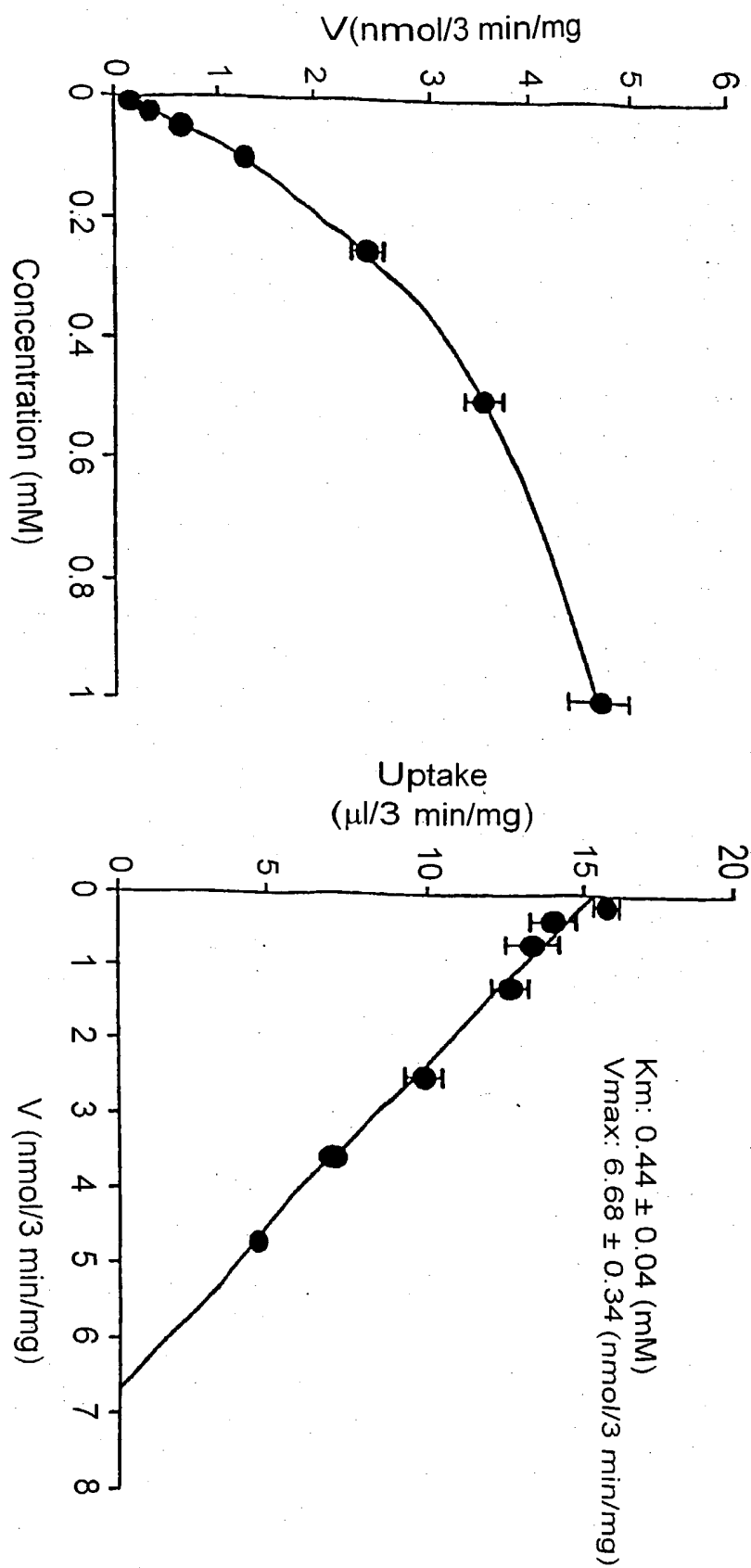


FIG. 7

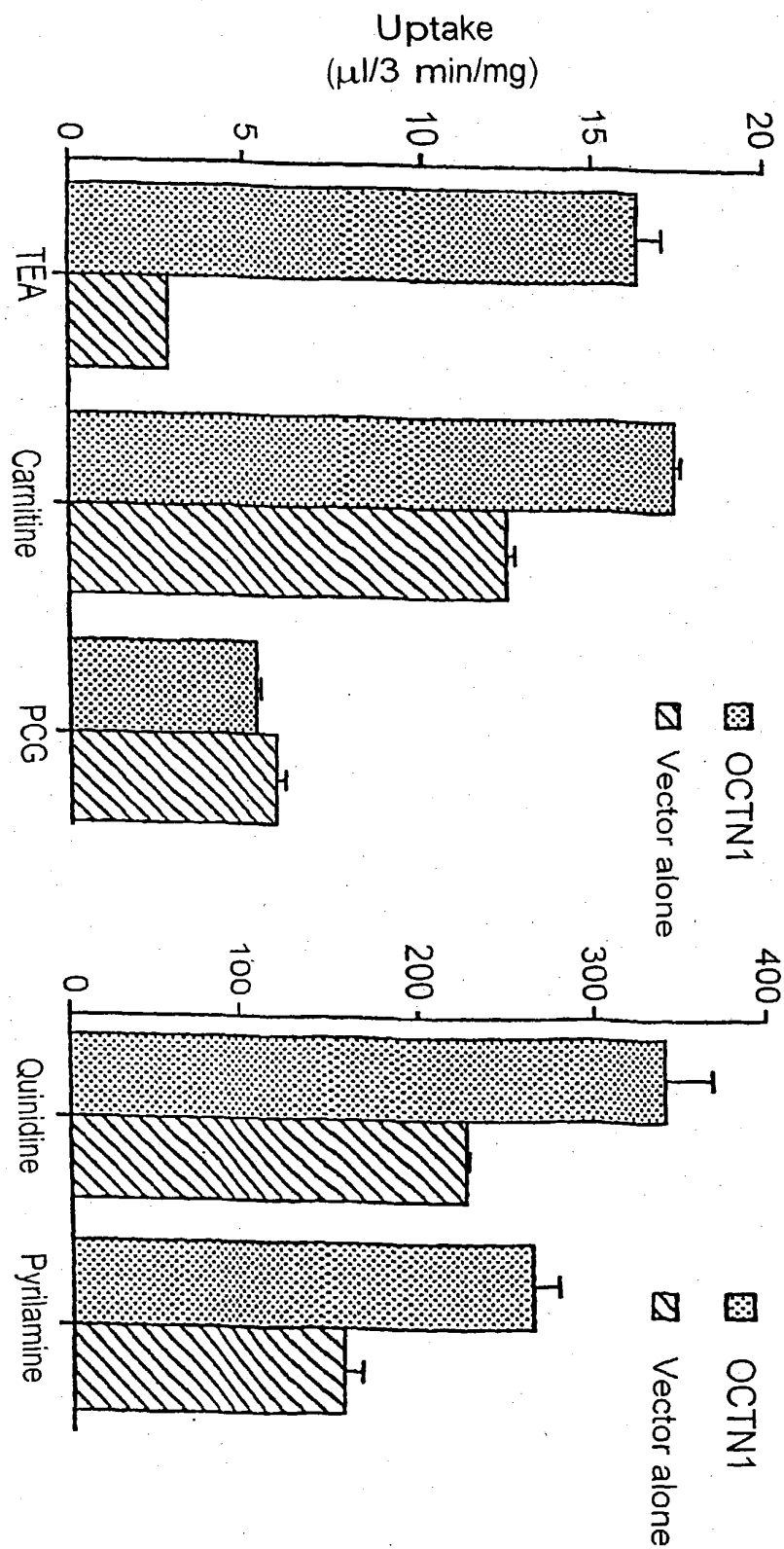


FIG. 8

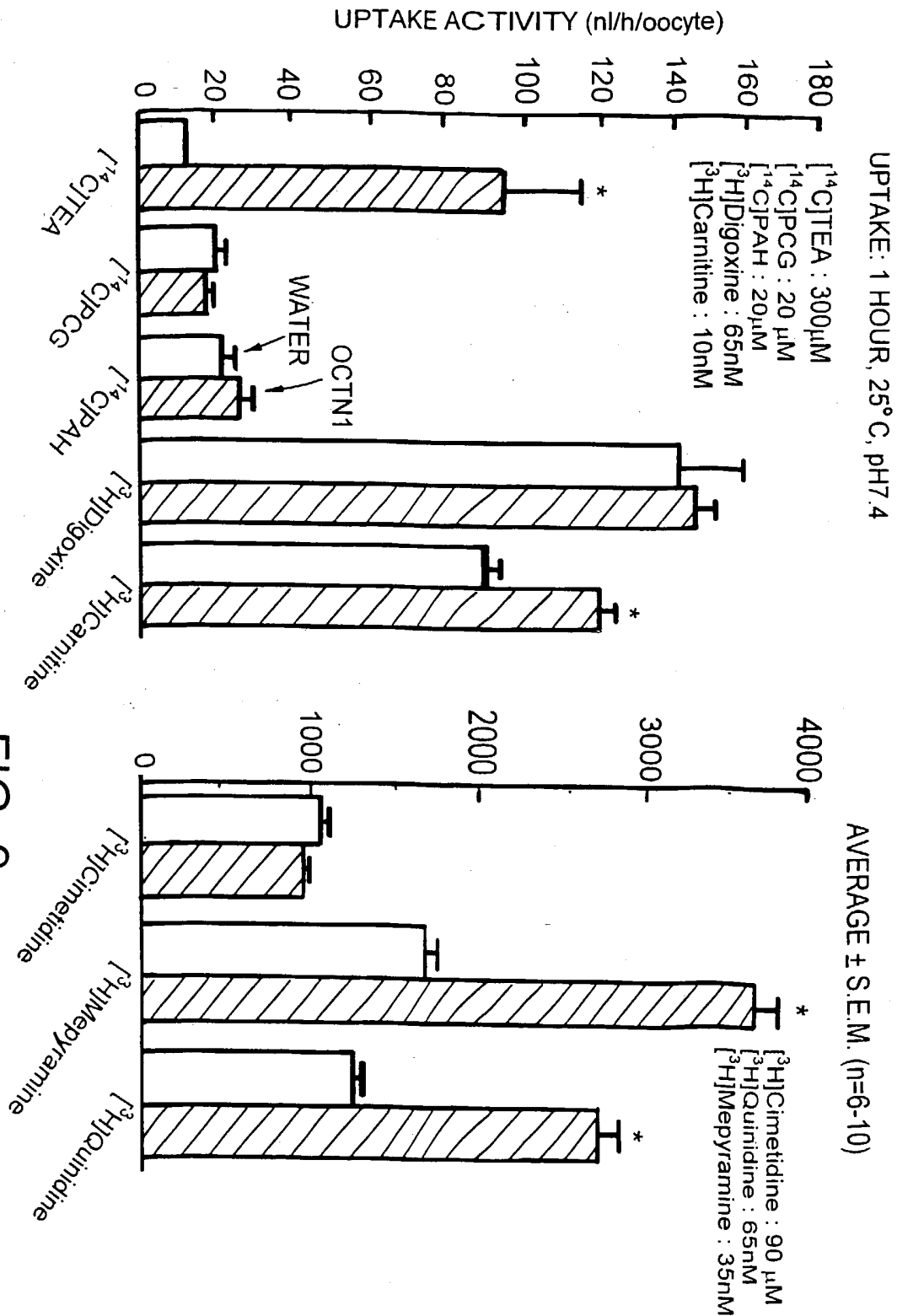


FIG. 9

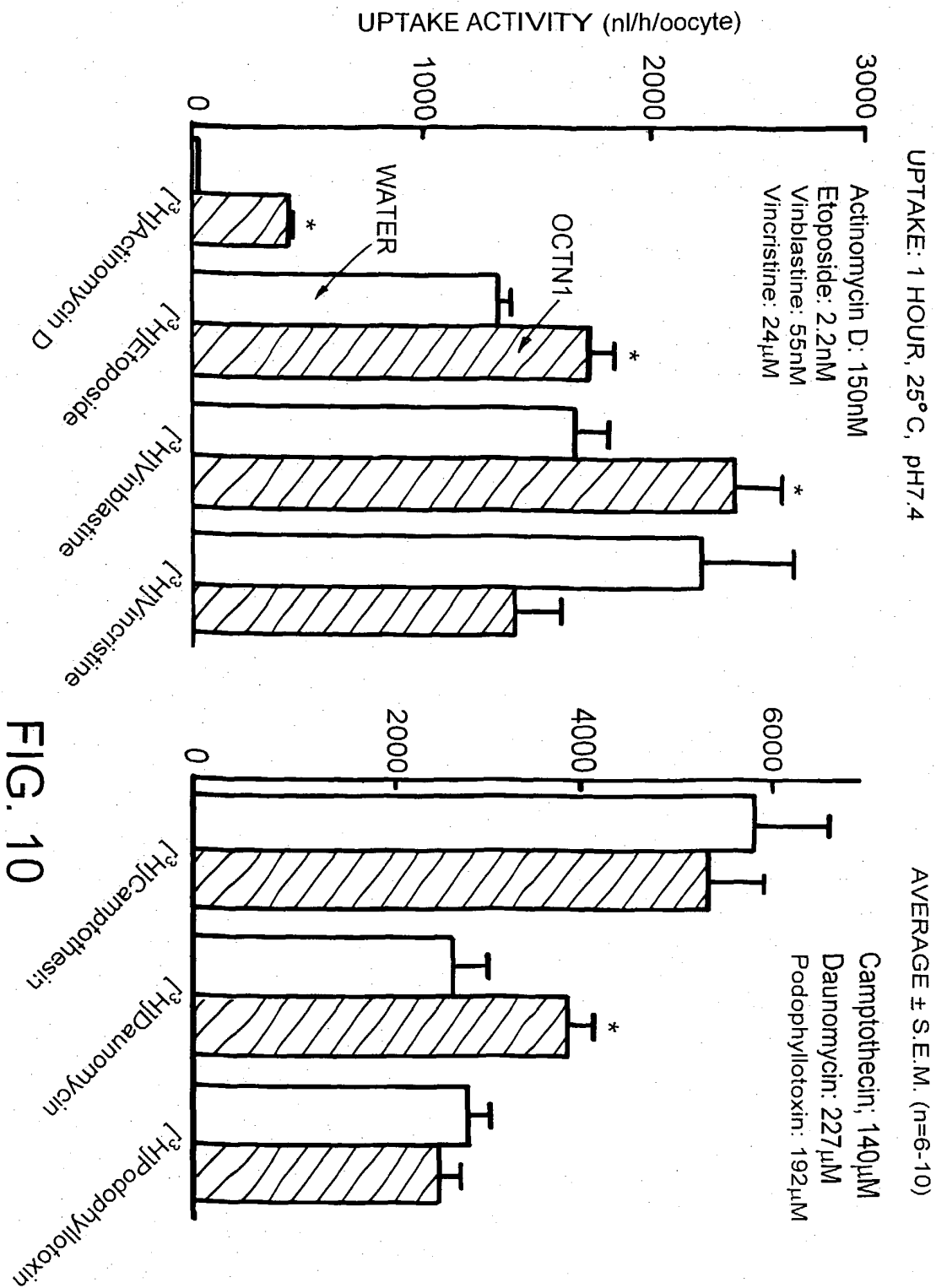
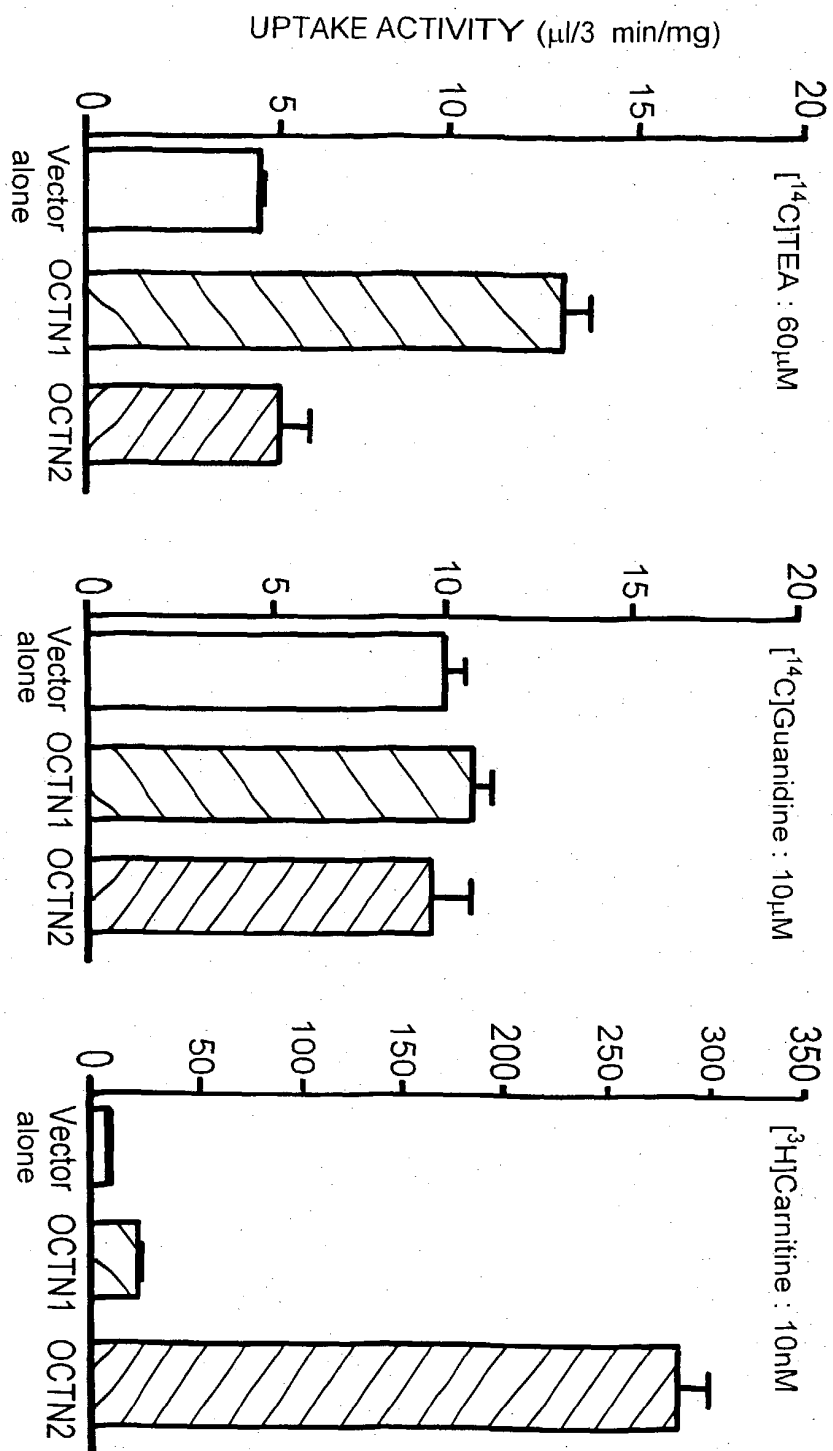


FIG. 10



Uptake: 3 min, 37°C, pH7.4

FIG. 11

Average \pm S.E.M. (n = 3)

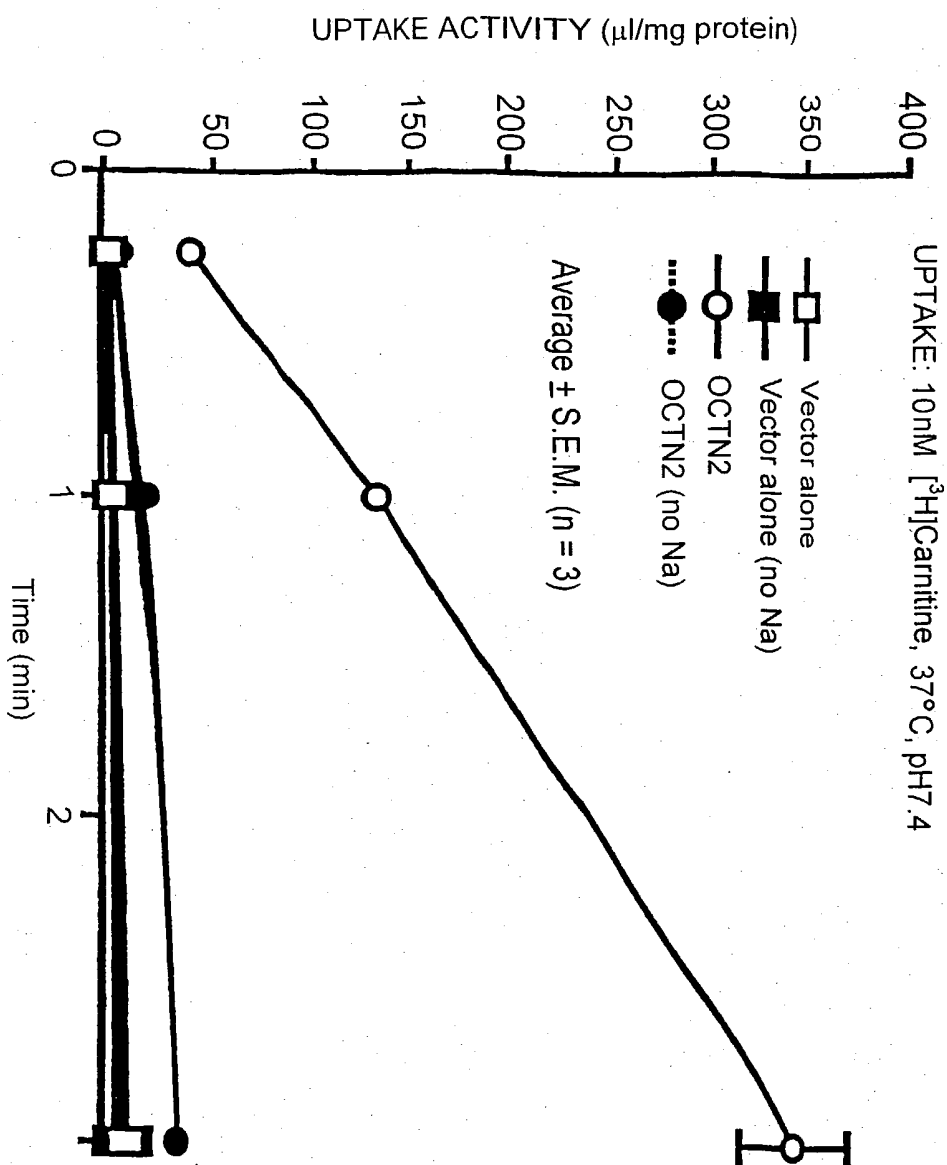


FIG. 12

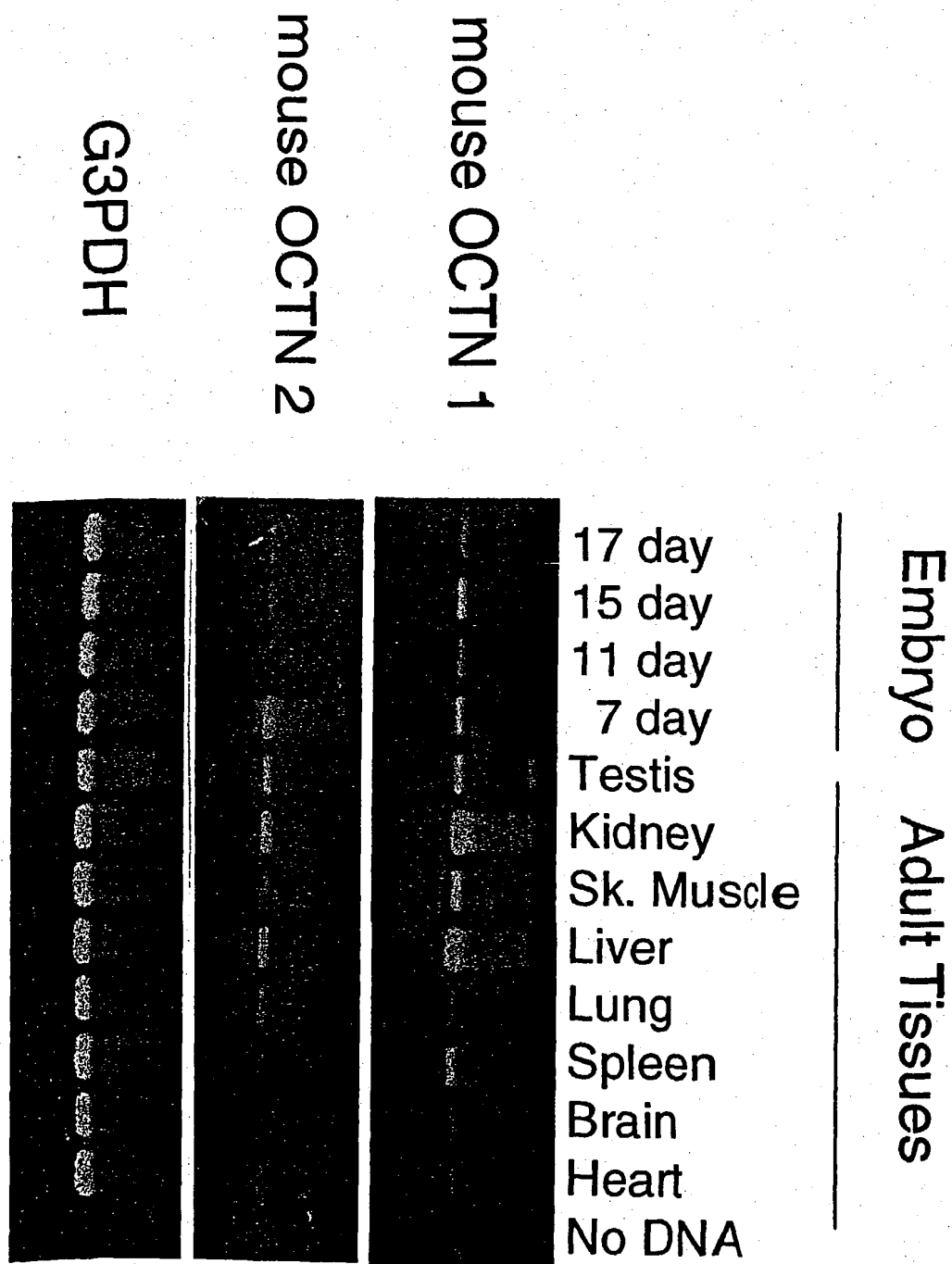


FIG. 13